

# Eastern Arizona Amateur Radio Society

EST. 1974

[www.eaars.com](http://www.eaars.com)

INC.



[facebook.com/groups/eaars](https://facebook.com/groups/eaars)

Club Address: EAARS, PO Box 398, Solomon, AZ 85551



*February, 2024*

## JOIN EAARS on Facebook

EAARS has a presence on Facebook and you are invited to **JOIN** the page. This is a great media to quickly share news, photos and events that are EAARS related or might be interesting to the members. If you utilize "Notifications" on the EAARS Facebook page, you can receive club updates AS THEY HAPPEN.

To reach the page, please visit **facebook.**

**com/groups/eaars** and **JOIN** the page. You must have a Facebook account to be part of the EAARS group.



## EAARS Open Repeaters

**PL 141.3** unless noted otherwise

**Echolink:** 614350 **IRLP:** 7787

**Heliograph Peak at Safford, AZ:**

146.860, 440.700 Linked

146.900, 447.8250 Not Linked

**Jacks Peak at Silver City, NM:**

145.210 Linked

**West Peak at Ft Thomas, AZ:**

145.350 Access to link to network

**Pinal Peak at Globe, AZ:**

145.410 Linked

**South Mt at Alpine, AZ:**

145.270 Linked

**Caballo Mt at TorC, NM:**

145.470 Linked

**Greens Peak at Show Low, AZ**

146.700 Linked

**Little Florida at Deming, NM:**

147.060 Linked

**Mule Mt at Bisbee, AZ:**

147.080 Linked

**Mt Lemmon at Tucson, AZ**

147.160 Linked

**Guthrie Peak at Clifton, AZ:**

147.280 Linked

**Downtown at Tucson, AZ**

147.28 Output

146.26 Input, **PL 127.3**

# **Gals on the Air!**

**EST. June 2015**

Calling all Gals of any class ... Join us every Monday night for the  
**Gals Night Net @ 7:30 pm (AZ) on the EAARS system!**

**Facebook.com/groups/galsnightnet**

## **Upcoming Events**

*Would You like to see your event posted for the membership to see?  
Email your information to [emberfire@cox.net](mailto:emberfire@cox.net).*

**2024**

***Clubs, send me the events you would like shown here.***

### **WEEKLY EAARS' NETS**

***Every day:***

*Down Under Net - 4:15 am*

*Weather Net - 5:30 am*

*NTS Traffic Net - 6:30 pm*

***All times are noted on  
Arizona time.***

***Sunday:***

*EAARS Net - 7:00 pm*

***Monday:***

*Gals Night Net - 7:30 pm*

***Wednesday:***

*Skywarn Net - During Monsoon, Every Wednesday at 7:30 pm, Off Season, every third Wednesday of month at 7:30 pm*



# EAARS Officers and Staff

## Board Officers

President	Dan Quaintance	AF7EF
Vice President	Joe Montierth	K7JEM
Secretary/Treasurer	Larry Griggs	N5BG

## Staff

Site Trustee	Joe Montierth	K7JEM
Net Manager	Chris Buchanan	N7JND
Newsletter Editor	Angie Buchanan	N7EMB

## Net Control Operators

Rick	W8YBM	1st Sunday
Larry	KG7VLN	2nd Sunday
Chris	N7JND	3rd Sunday
Angie	N7EMB	4th Sunday

## ARRL RADIO CONTESTS

### February 2024

12-16 School Club Roundup  
17-18 International DX – CW

For details on all ARRL contests and for non-ARRL contests,  
visit <http://www.arrl.org/contest-calendar>

## New EAARS Members!



Travis KK7PLA  
Shay K7EBS  
John AA7US



# EAARS Officer's Election

The 2024 EAARS Officers were elected during the last EAARS meeting. A big congratulations to the following EAARS Officers and Staff...

## Officers

### President

Dan Quaintance - AE7EF

### Vice President

Joe Montierth - K7JEM

### Secretary / Treasurer

Larry Griggs - N5BG



## Staff

### Club Station K7EAR Trustee

Joe Montierth - K7JEM

### Newsletter Editor

Angie Buchanan - N7EMB

### Net Manager

Chris Buchanan - N7JND

### Sunday Evening Net Control Operators

Rick Gurk - W8YBM

Larry Witte - KG7VLN

Angie Buchanan - N7EMB

Chris Buchanan - N7JND

# EAARS Membership Gift Card Winner

During the January EAARS club meeting, a winner of the HRO Gift Certificate was drawn. EAARS would like to congratulate **Michael Willett KJ7KGT** from Sierra Vista. Michael takes the honor of winning this great gift certificate for sending in his dues prior to December 15th.

Each year, EAARS does a membership drive for new and current members. One of the perks, is the chance to win a great gift certificate from HRO. Now the question is... What will Michael buy? Maybe he will share that with us for a future newsletter article.

When you hear Michael KJ7KGT on the air, give him a congrats.



## **Peter F Sheakley N6ETA**



It's always sad when we have to report the passing of an EAARS member. On the morning of January 18th, our good friend Pete - N6ETA became a silent key. Pete was a regular check in on the EAARS Sunday Night Net and really enjoyed Ham Radio.

Pete not only enjoyed EAARS, but he was also very active on 2 Meter SSB and was a Net Control Operator for the Sunday Morning SWOT Net. SWOT stands for Side Winders On Two. They are a group of Hams that meet every Sunday morning on 144.250 USB. Pete would take check ins as far away as Flagstaff and even Albuquerque from his home in Tucson. Of course, everyone uses horizontal yagi's which is the norm for any 2 Meter SSB communications.

It was very rarely that Pete would miss his spot on Sunday night during the EAARS net. You never knew if he was checking in from his home, mobile or HT. But he usually had a radio available no matter where he was.

Pete was an avid Bass Guitar Player and would usually follow N7JND around when he was out playing drums and loved to come up and sit in with the band. His favorite song to play on Bass, was Folsom Prison Blues.

Pete was also a huge fan of trains and spent much of his free time at the Tucson Model Railroad Museum. He would follow vintage locomotives around and was always listening to railroad frequencies on his scanner.

Pete retired from KVOA Channel 4 after spending 20 plus years in the engineering department.

Pete, we will miss hearing you and may you Rest In Peace. See you on the other side, my friend!

# Winter Field Day

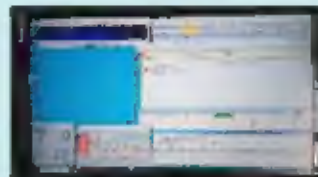
On Friday the 26th of January 2024, Rob WB7QDQ, Elmer KF7UFG, and I AF7EF, took down 80-10M OCF from mast on the **EAARS** communications bus and lowered it at my place. We then moved the bus to the field day location and setup the buses mast with the OCF antenna. EAARS WFD location was also setup with EAARS 5BTV, and my Moxon Beam.

As per usual, even though everything was tested the day before WFD setup, Murphy visited the first day with a few difficulties to test us. After dealing with the issues presented we finally got started about 2 hours late on Saturday, but after that all went well for the rest of the field day.

At the end of the WFD event we had accumulated Phone, CW and PSK31 QSOs on 40M, 20M, 15M, and 10M, for a total yielding 113 QSOs. With the Band/Mode Multipliers a total of 1356 points were achieved.

My grandkids Dakota and Caylun also participated, with Dakota assisting those who setup to do the teardown and resetup of the EAARS bus back at my place.

-- Dan AF7EF



At the end of January 2024, the **Cochise Amateur Radio Association** embarked on an adventurous expedition behind the Huachuca Mountains for WinterField Day. With core operators and several guests braving the elements, they set up their outdoor stations amidst the partly exposed terrain. Operating from tents and under pop-up canopies, they faced the challenges of providing their own heat from diesel and propane heaters and shielding against the elements.

Power was provided via lithium iron phosphate (LiFePO4) batteries and solar. As they engaged in the thrill of austere radio communication, mild participation marked the beginning until the wind picked up, causing havoc by damaging their pop-up shelters. Band conditions were spotty as reported by participants and contacts alike. Despite the setbacks, the team persevered, utilizing three antennas, including a homemade 40 ft. vertical, a surplus NVIS, and several quick disconnect Outbackers. Despite the challenges, the adventure was filled with fun and camaraderie as they made numerous contacts, proving their resilience and passion for amateur radio amidst the rugged beauty of the Huachuca Mountains.

--Andrew W7SVT





## Ten Uses for a Multimeter

When I think back to one of the very first pieces of test equipment I bought as a Ham Radio Operator, I do believe it was a multimeter. Over the years, the multimeter has developed from analog meters to digital meters. Some early forms of multimeters used vacuum tubes. These are known as a VTVM or Vacuum Tube Volt Meter. There is still a lot of usage and requirements for a VTVM especially when working on vintage equipment.

Most multimeters you will find today, are digital readout opposed to an analog meter movement. However, in my personal opinion, an analog meter is much easier to peak a voltage than a digital readout unless it has a decent bar-graph.

Inexpensive multimeters can be found just about anywhere. How accurate are the cheaper ones? We'll leave that for you to decide. Most will "Get The Job Done."

The handheld digital multimeter (DMM) is a basic tool for ham radio applications. It is called a multimeter because it combines multiple meter functions into one unit: voltmeter, ammeter and ohmmeter. These days, almost all of these meters are digital, which makes them very easy to use.

### **Here is a list of 10 things you can do with a multimeter.**

1. Check the power supply voltage on the new power supply you just purchased.
2. See if your HT battery pack is fully charged.
3. Measure the current that your transceiver draws to estimate how long your emergency power system will last during a blackout.
4. Sort the bag of resistors you purchased at the local Hamfest.
5. Check a fuse to see if it is blown.
6. Troubleshoot your broken rig by checking the bias voltages against the service manual.
7. Figure out if the AA batteries the kids left for you are dead.
8. Verify that your coax is not shorted between the shield and center conductor.
9. Check the level of the power line voltage in the ham shack.
10. Check for good DC continuity between the ends of the TNC cable you just soldered.

There are many other reasons to own a multimeter. It's one of the first pieces of test equipment you will or should buy and there's a good chance it may be one of the last pieces of test equipment you will use before leaving this earth. The average household owns around 3 cheapie multimeters and one more expensive model. I have even used a Harbor Freight coupon for a freebie.

73,

Chris N7JND



2<sup>nd</sup> Annual  
West Valley Amateur Radio Club's  
Ham Radio  
Swapfest-Tailgate

FREE  
COFFEE



WHERE

February  
17th

7 AM to 1 PM

Shepherd of the Desert Lutheran Church  
(South Parking Lot)  
11025 N. 111<sup>th</sup> Avenue  
Sun City AZ 85351



No charge for Buyers & Lookers  
Only \$10.00 per Space for Sellers  
\$15/Space for Vendors

Talk in on  
147.300+  
PL 162.2

All items sold "As Is".  
Items must be Amateur Radio, Computer or  
Electronics related.  
We invite local Amateur Radio Club members to  
join us. All information & registration forms will  
be posted to our website in January.

Only Leashed Pets are Permitted. No Guns,  
Drugs, Alcohol or Fireworks.

CONTACT

Our Website will be updated soon: [westvalleyarc.com](http://westvalleyarc.com)

For Further information:

Rolf, KG0KM, at 715-828-8860 or  
email: [bignorski@hotmail.com](mailto:bignorski@hotmail.com)



**RST**

Radio  
Society of Tucson

**TUCSON SPRING HAM (fest)**

**Saturday April 6<sup>th</sup> 2024**

**7 AM - 11 AM**

Buyers - Free Admission & Parking  
Sellers - Shaded Parking  
Seller Setup Starting at 6 AM



Calvary Tucson Church  
8711 East Speedway in Tucson

Morning Snacks by Scout Troop 157

Seller/vendor spaces - \$10/parking space.

RAFFLE

Tickets: \$2 each, 3 for \$5, 7 for \$10, 15 for \$20, and 40 for \$40.

Need not be present to win.

Online Raffle Ticket Sales: [www.k7rst.club](http://www.k7rst.club)

Raffle Prizes

Yaesu FT-991A HF/VHF/UHF Transceiver  
Yaesu FT-710 AES HF and 6M Transceiver  
Yaesu FTM-500DR 2M/70cm Dual Band C4FM Transceiver  
Comet CAA500MKII Antenna Analyzer  
LDG AT200PROII Auto Antenna Tuner  
Comet CA901HP HF SWR Wattmeter  
Comet CN901VN VHF/UHF SWR Wattmeter  
Map and info at [www.k7rst.club](http://www.k7rst.club)



# Other Club Stuff

***From Diane AA3OF: RST VE Testing will be held at Immanuel Presbyterian Church, Witherspoon Hall, 9252 E 22nd St, at 7pm.***

<b>2024</b>	February 12	April 8	July 8	October 14
	March 11	May 13	August 12	November 11
		June 10	September 9	December 9

**If you live in the Graham or Greenlee County and are interested in a VE Testing Session, please feel free to contact Dan Quaintance AF7EF, (928) 235-1152.**



**Rise and Shine!!!  
with  
the  
Made it through the Night Gang Weather Net  
0530 Mountain Standard Time Daily  
on the EAARS Repeater System  
Weather and  
Conversation**

**Get a handle on the local weather from your fellow HAM operators around the EAARS coverage area and get to know them better.**

**We do a technical question of the week on Wednesday  
and the "Plea Market of the Air on Fridays**

**W7G6P - Steve  
Net Control  
K1VM/N7CDW  
Keith/Carrie**

**Radio Society of Tucson (RST) is now conducting two monthly events for new operators. 1) Radio Days in the Park will meet the 2nd and 4th Wednesday, Reid Park, Ramada #22. 2) Newbies Net on Thursdays, 8pm on 147.000 MHz. Listen on 147.000 MHz, transmit on 147.600 MHz with a tone of 110.9 Hz.**

**Do you have any club news to share? It can be posted on this page.  
Send your info to Angie - emberfire@cox.net.**

Cooking up  
Some Magic



# Emily's Excellent Taco Casserole



*Courtesy of allrecipes.com*

*Prep Time: 10 mins  
Cook Time: 25 mins  
Total Time: 35 mins  
Servings: 4  
Yield: 1 9x9-inch casserole*

## Ingredients

6 cups corn tortilla chips  
2 cups vegetarian chili with beans  
1 cup shredded Cheddar cheese  
2 cups shredded lettuce  
2 roma (plum) tomatoes, chopped  
½ cup salsa  
¼ cup sour cream

## Directions

1. Preheat the oven to 350 degrees F (175 degrees C).
2. Place chips in the bottom of a 9x9-inch baking dish. Pour chili straight from the can over chips. Sprinkle shredded cheese over top.
3. Bake for 20 to 25 minutes in the preheated oven, until chili is bubbling and cheese is melted. Top with lettuce, tomato, sour cream, and salsa in the pan, or after serving if people are picky.

kiss the  
cook